

2002 Annual Report Review

Permittee:	PacifiCorp	
Mine Name:	Deer Creek Mine	
Permit Number:	C/015/018	
Date Report Received:	April 3, 2003	
Assigned Reviewers:	Stephen Demczak	Date Completed ▼ May 7, 2003
	Jim Smith, Hydrologist	May 20, 2003
	Jerriann Ernstsens	August 5, 2003

Instructions: The assigned staff will review their respective portions of the Annual report and provide a written determination (findings) on how the mine has or has not met the permit requirements for reporting. If the report is deficient or remedial action is required to obtain compliance, this should be noted and the inspector notified. Once all reviewers have completed the report, they should initial it and a copy will be filed in the Mine Internal File.

Assignments:

Inspectors:	Review each cover sheet, AVS Legal/Financial, Mine Sequence Maps.
Hydrologists:	Review Water Monitoring Data, Precipitation and Climatological Data, Non-Coal Waste
Biologists:	Review Vegetation/Revegetation Success Monitoring, Raptor Survey
Engineers:	Review Subsidence Monitoring Data, Annual Impoundment Certification, Annual Overburden, Spoils, Refuse, Floor, etc.

SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Cover Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Cover Sheet is included and appears to be complete.
AVS; Legal/ Financial Update	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This was reviewed with the AVS system. This is more current than the AVS.
Mine Sequence Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mine Maps included but not P.E. certified.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Data are submitted electronically.
Precipitation & Climatological Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Non-Coal Waste report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	This is on file with DOGM
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	This report is not P.E. certified.
Annual Impoundment Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	P.E. Certified, no hazardous conditions reported
Annual Overburden, Spoil, Refuse, Floor, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The quarterly inspection are on file with DOGM.

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SECTIONS TO REVIEW	SUBMITTED YES NO		FINDINGS
Vegetation Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Required and submitted as indicated in Annual Report 2002 cover sheet.</p> <p>The Permittee provided qualitative vegetation monitoring (2002) of the following reference areas: mixed conifer, riparian, pinyon juniper, and atriplex (pg. 95). Also surveyed were the following areas: c2 conveyor, riparian areas, sediment pond, temporary sediment basin, roadside, gateway, fan road, refuse and berm, water plant slope, rock slide, pipeline, deer canyon, access road slope phase I berm Phase I diversion, and drain field. Maps CM-10673-DR and CM-10778-DR show the surveyed areas and the results in table format.</p> <p>The disturbed sites were revegetated (interim) in years ranging from 1986-1997. Patrick Collins conducted surveys for all the sites from September 9th through 14th, 2002. In general, the results show cover and diversity values were low to good. The number of weedy species were generally low or fewer than in 2001. Many sites had different representative dominant species.</p>
Revegetation Success Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Required and submitted as indicated in Annual Report 2002 cover sheet.</p> <p>The Permittee provided qualitative vegetation monitoring (2002).</p>
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Required and submitted as indicated in Annual Report 2002 cover sheet.</p> <p>The cover sheet refers the reader to Appendix B for the results of the raptor survey. Appendix B only contains the vegetation surveys for four Energy West mines.</p> <p>Appendix E contains the raptor surveys for Energy West.</p> <p>Results show that two Golden Eagle nests (#80 and 1210) were active. The surveyors observed two eggs in nest 80, and a hen in nest 1210. The results also show active nest for one Red-tailed hawk (#1207) and one prairie falcon (#939). Nests 80, 1207, and 1210 are located east of Mill fork canyon. The Division could not find reference for nest 939 on Map "2002 Raptors".</p>

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SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Other Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<p>Not required or submitted as indicated in Annual Report 2002 cover sheet.</p> <p>The Division requested that the mine operator submit the completed macroinvertebrate report - USGS Open-File 81-539. PacifiCorp chose to provide one copy of the report to the Division's library instead of incorporating the full report into the MRP (see Incoming folder, dated February 13, 2003).</p> <p>A large portion of the permit area contains deer and elk habitat. Deer and elk are shown to have summer range and high value winter range within the permit area (MFS1849B and MSF1822B). Population numbers and trends of deer and elk herd unit 16B can be derived from DWR annual reports dating from 1998 (www.wildlife.utah.gov/hunting/biggame.html). Herd unit 16B, however, covers an area from about Scofield to Ferron and does not focus on the Mill Fork Lease expansion area. DWR cautions to avoid projecting the herd unit 16B population numbers and trends for such a large area to the smaller area of the Mill Fork Lease (LeRoy Mead personal communication, February 25, 2003). The Manti-LaSal National Forest requested that this information be put in the MRP knowing that only regional numbers are available. The intent is to look at trends for the area and the trend for deer is a decreasing population (Rod Player personal communication, February 26, 2003).</p>

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